

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented) An apparatus for displaying a three-dimensional image, comprising:

a detector for tracing movement of an observer head that observes a three-dimensional image, in real time and detecting a position of the observer head; and

a compensator, the compensator capable of adjusting a viewing zone of the three-dimensional image that is synthesized from at least three two-dimensional microimages of a scene and compensating distortion of said three-dimensional image by manipulating an aspectogram comprising the at least three two-dimensional microimages of the scene in accordance with a signal input from the detector,

wherein the apparatus synthesizes the aspectogram comprising the at least three two-dimensional microimages of the scene and regenerates them in the three-dimensional image of the scene.

2. (Previously Presented) The apparatus of claim 1, wherein the detector comprises a head tracking system which traces movement of the observer head in real time, and a head position detector for calculating the position of the observer head traced by the head tracking system.

3. (Previously Presented) The apparatus of claim 1, wherein the compensator comprises either a viewing adjust engine which adjusts the viewing zone of the three-dimensional image by moving the at least three microimages in accordance with a signal input from the head position detector, or a device which regenerates the at least three microimages of the scene in accordance with the signal input from the head position detector to compensate distortion of the three-dimensional image.

4-8. (Canceled)

9. (Previously Presented) A method for displaying a three-dimensional image of a scene, the method comprising:

tracing movement of an observer head that observes the three-dimensional image;

calculating a position of the traced observer head; and

adjusting a viewing zone of the three-dimensional image and compensating distortion of the three-dimensional image by manipulating at least three two-dimensional microimages, in accordance with the calculated position of the observer head,

wherein the three-dimensional image of the scene is generated by synthesizing an aspectogram comprising the at least three two-dimensional microimages of the scene and regenerating the at least three microimages as the three-dimensional image.

10. (Previously Presented) The method of claim 9, wherein adjusting the viewing zone of the three-dimensional image comprises forming a new viewing zone centered relative to the moved observer head by moving the at least three two-dimensional microimages of the scene.

11. (Previously Presented) The method of claim 9, wherein compensating distortion of the three-dimensional image comprises regenerating the at least three two-dimensional microimages of the scene.

12-22. (Canceled)